

AMENDMENTS TO THE CLAIMS

The listing of claims presented below will replace all prior versions and listings of claims in the application.

Listing of claims:

1. **(currently amended)** A data write-in method for a flash memory, wherein the flash memory comprises at least two flash chips and a controller, and the method comprises:

partitioning physical blocks in the two flash chips such that the physical blocks in one of the chips have [[to]] odd logical block addresses and the physical blocks in the other of the chips have even logical block addresses, respectively;

the controller receiving a data write-in instruction and analyzing a beginning logical address for writing from the received data write-in instruction;

the controller obtaining the logical block address needed to be written according to the analyzed beginning logical address;

the controller determining a parity of the logical block address, and selecting one flash chip from the flash chips according to the determined parity of the logical block address;

the controller directing a first programming or erasing instruction to the physical blocks corresponding to the obtained logical block address in the selected flash chip;

the controller detecting whether the other flash chip needs to be programmed or erased while the first programming or erasing instruction is being processed; if programming or erasing is needed in the other flash chip, the method further comprises:

the controller directing a second programming or erasing instruction to the other

flash chip of at least two flash chips.

2. (canceled)

3. (**currently amended**) The data write-in method for a flash memory according to claim 1, wherein if the other flash chip does not need to be programmed or erased, the method further comprises:

judging whether the processing of the first programming or erasing-~~instructions~~
instruction is finished.

4-5. (canceled)

6. (**currently amended**) The data write-in method for a flash memory according to claim 1, wherein the analyzing further comprises:

obtaining the number of sectors needed to be written from the data-~~writing~~ write-in operation instruction.

7. (**currently amended**) The data write-in method for a flash memory according to claim 6, the analyzing further comprises:

judging whether the data write-in instruction has been finished by subtracting a number of written sectors from a number of ~~need-to-be-written~~-sectors needed to be written.